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W. Elliot Woodward's

EIGHTY-SIXTH SALE.

Archaeology.

WEDNESDAY and THURSDAY, JUNE 23, 24, 1886.

CATALOGUE
OF
AN ARCHAEOLOGICAL COLLECTION

PREHISTORIC RELICS IN STONE, FLINT, &c.,

COMPRISING

A Consignment from a Government Collection,
An Archaeological Museum from Massachusetts,
A Collection from Los Angeles, California,
Another from Northwestern Georgia,
And others from Various Localities.

THE WHOLE TO BE SOLD BY AUCTION

By MESSRS. BANGS & CO.

739 & 741 Broadway, New York City,

On WEDNESDAY and THURSDAY, JUNE 23 and 24, 1886.

Goods on Exhibition on days of Sale, at Ten o'clock A. M., and the Sale will begin promptly at Two o'clock P. M.

Catalogue by W. Elliot Woodward.

BOSTON:

T. R. MARVIN & SON, NUMISMATIC PRINTERS.

1886.

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CATALOGUE.

SPEAR AND ARROW-POINTS.

THE following, a consignment from a Western Archaeologist, are all from various localities in Washington County, Ohio; they are all mounted in boxes for convenience in handling.

- 1 Arrow Points representing many forms; also several Drills, one of large size, and a number of fine Bunts. 37 pieces.
- 2 Good Points, a number serrated, and one large Knife. 20 pieces.
- 3 Arrow Points, a great variety in form, size, and material, with several small Drills. 30 pcs.
- 4 A selection of larger size and extra quality, one very curiously serrated; the lot comprises one fine hematite Celt. 19 pcs.
- 5 Arrow Points, one with elongated stem, perhaps a Drill; fine leaf-shaped Knife. 17 pcs.
- 6 Another lot, extra fine quality. 25 pcs.
- 7 Fine lot, of great variety. 25 pcs.
- 8 Equally good, will average of larger size. 21 pcs.
- 9 A handsome lot, several Spear-heads. 23 pcs.
- 10 Another lot like the last; some fine Fish-spears; 1 fair hematite Celt. 23 pcs.
- 11 Fine lot, medium and large size, extra quality, one of hematite. 31 pcs.
- 12 Another lot, of the same good quality, but smaller. 27 ps.
- 13 Fine lot, many of handsome flint, one a square object of flint of unknown use. 23 pcs.
- 14 Another selection, containing several Drills; size smaller, but equally fine. 27 pcs.

- 15 Great variety, fine selection. 44 pcs.
- 16 Another lot of the same quality, some of black flint; fine. 45 pieces.
- 17 Extra lot, one of most unusual shape; some of remarkable forms and uncommon materials. 48 pcs.
- 18 Arrow and Spear Heads, a Celt and two objects of hematite, Knives, Spear Heads, etc. 20 pcs.
- 19 A selection, small and unusually desirable, several Drills; a number of extra fine material. 42 pcs.
- 20 A lot of larger average size; fine. 31 pcs.
- 21 Arrow Points, Knives, Drills, Bunts, etc.; a fine lot. 28 pieces.
- 22 Good selection, containing one fragmentary piece of mound pottery. 25 pcs.
- 23 Large Knife, Spear Heads, and small Arrow Points, one fine, small hematite Celt; the latter *rare*. 36 pcs.
- 24 Another selection, contains several serrated Knives, two of large size, and four scarce objects of hematite. 23 ps.
- 25 Arrow Points, mostly small; fine selection. 27 pcs.
- 26 Another lot, finer than the last; some large. 25 pcs.
- 27 Small Points; quality and material very fine. 25 pcs.
- 28 A lot of larger size, one hematite object; all good. 17 ps.
- 29 Extra fine lot; one a Knife with barbs. 26 pcs.
- 30 Another lot; some uncommon forms; fine. 17 pcs.
- 31 Uncommonly fine lot; several of spear-head size. 17 pcs.
- 32 Arrow Points and Fish Spears; one elliptical Knife; fine lot. 17 pcs.
- 33 Small Points; one of metamorphic slate, one of irregular and rare form. 27 pcs.
- 34 Arrow Points, Spear Heads and Knives; fine lot. 21 pcs.
- 35 A lot; some irregular in form, one doubly barbed; a rare type. 31 pcs.
- 36 Spear Heads, Knives, etc.; one hematite Pendant; rare for form and material. 17 pcs.
- 37 Spear Heads, mostly of dark flint; fine. 20 pcs.
- 38 Another lot; dark and mottled flint; fine selection. 15 pieces.
- 39 Small Arrow Points; extra lot. 33 pcs.
- 40 Another lot of the same quality, but considerably larger. 22 pieces.
- 41 Arrow Points; fine lot, medium and small. 32 pcs.

- 42 Another lot of the same fine quality ; one circular black flint Knife ; the latter *rare*. 34 pcs.
- 43 Fine lot, of medium size. 20 pcs.
- 44 Spear Heads, and a large Knife ; fine. 9 pcs.
- 45 Medium size, fine Points, several Knives in the lot. 21 pieces.
- 46 Another lot ; fine ; average smaller. 21 pcs.
- 47 Another lot ; all fine. 17 pcs.
- 48 Similar lot, but finer. 18 pcs.
- 49 Fine lot ; mostly small ; one rare Knife of black flint. 24 pieces.
- 50 Spear Heads and flint Knives ; fine. 24 pcs.
- 51 Arrow Points, Spear Heads, Drills and Celt ; fine lot. 31 pcs.
- 52 Spear Heads, Arrow Points, and fine circular Knife. 19 pieces.
- 53 Bunts, Arrow Points and Drill ; medium size, good lot. 20 pieces.
- 54 Similar lot, one in hematite. 20 pcs.
- 55 Spear Heads, Knives, Pottery, etc. ; fine. 19 pcs.
- 56 Spear Heads, and one Celt of hematite ; fine lot. 21 pcs.
- 57 Arrow Points, and several small Knives ; fine lot. 23 ps.
- 58 Arrow Points, circular Knives, and some long Spear Points, usually called Fishing Spears ; fine lot. 21 ps.
- 59 Arrow Points, small and medium size ; fine lot. 40 pcs.
- 60 Knives, Arrow and Spear Points, several very handsome ; all fine. 31 pcs.
- 61 Spear Points, etc., one of black flint unique in form, and one handsome hematite Celt. 16 pcs.
- 62 Arrow Points ; the collection comprises several perfect drills. 20 pcs.
- 63 Arrow Points, large and small ; fine. 23 pcs.
- 64 Similar lot, but average of larger size, one hematite Celt. 26 pieces.
- 65 Medium size Points ; fine lot. 18 pcs.
- 66 Similar lot, average larger ; all fine. 13 pcs.
- 67 Arrow Points and Bunts ; one of the latter of remarkable form. 21 pieces.
- 68 Another lot ; all medium size and fine. 21 pcs.
- 69 Small Arrow Points and Bunts ; extra fine lot. 24 pcs.
- 70 Arrow Points and Bunts ; all fine. 20 pcs.

- 71 Arrow Points, medium size, of dark flint ; fine. 24 pcs.
- 72 Arrow Points, Fish Spears, etc. ; fine lot. 42 pcs.
- 73 Arrow Points, etc. ; some of unusual forms ; fine lot. 41 pieces.
- 74 Arrow Points, Drills and Knives ; all fine. 34 pcs.
- 75 Another lot, equally fine, with several Drills. 38 pcs.
- 76 Another selection, of the same excellent quality. 38 pcs.
- 77 Another fine lot, small to medium ; one small fine hematite Celt ; an extra lot. 63 pcs.
- 78 Similar lot, will average larger. 36 pcs.
- 79 Another lot, still finer. 34 pcs.
- 80 Another fine lot, mostly of dark stone. 30 pcs.
- 81 Arrows, Knives and Spears ; all good. 15 pcs.
- 82 Another lot, equally good. 24 pcs.
- 83 Bunts, Arrows and Drills ; mostly small size ; all fine. 35 pieces.
- 84 Fine selection of small and medium Arrow Points. 49 ps.
- 85 Arrow Points, some serrated ; fine lot. 25 pcs.
- 86 Arrow Points ; small, and of fine quality. 24 pcs.
- 87 Arrow Points ; fine, handsome lot. 44 pcs.
- 88 Arrow and Spear Points ; fine lot. 26 pcs.
- 89 Spear Heads and Fish Spears, one Knife of iron ore, and several Celts of diminutive size ; fine, three of the latter of hematite, and *rare*. 26 pcs.
- 90 Celt ; fine. 6 x 3.
- 91 Celt ; equal to the last ; smaller size, polished. $2\frac{1}{2}$ x 5.
- 92 Celt ; one flat convex ; fine. $4\frac{1}{2}$ x $2\frac{1}{2}$.
- 93 Celt ; symmetrical ; fine. 4 x 2.
- 94 Celt, of large size ; fine ; granite. 6 x 3.
- 95 Agricultural Implements ; Knives or Spades, wrought, two chipped ; fine. 3 pcs.
- 96 Grooved Axe of Black Flint ; rude, of rare material. 6 x 3.
- 97 Knives ; fine. 4 x 2. 2 pieces.
- 98 Knives. 4 x 2. Both good. 2 pieces.
- 99 A lot of fine Celts of medium size, and desirable. 12 pieces.
- 100 Mound-Builders' Pipe of Pottery, ornamented with incised geometrical figures ; fine and *extremely rare* ; stem needs cementing. $2\frac{1}{2}$ x 3.
- 101 Mound-Builders' Pipe ; fine ; *rare*. 3 x $3\frac{1}{2}$.

The following objects, a consignment from an institution in Washington, were gathered in various localities at the West, but mostly in Ohio and West Virginia.

- 102 Celt; of dark granitic stone, partly polished and very fine. $7\frac{1}{2} \times 3$.
- 103 Celt; top shows wear, but fine and perfect. $4 \times 2\frac{1}{2}$.
- 104 Celt; of light granite; of superior form and finish; extra quality and size; partly polished. $7\frac{1}{2} \times 3\frac{3}{4}$.
- 105 Celt; of light, coarse-grained stone; top shows wear; one side flat. $3\frac{1}{2} \times 2\frac{1}{4}$.
- 106 Celt; thick, top rounded, edge nearly square; very fine. $3 \times 1\frac{1}{2}$.
- 107 Celt; broad in the middle, contracted towards the top, and slightly towards the edge. $5 \times 2\frac{1}{2}$.
- 108 Celt; rounded head, and grooved towards the edge. Curious form. $3 \times 1\frac{1}{2}$.
- 109 Grooved Axe; one edge flat, of fine grained stone, partly polished; very fine. $4\frac{1}{4} \times 2\frac{1}{2}$.
- 110 Grooved Axe; edge shows marks of wear as a hammer; small size. $2\frac{1}{4} \times 1\frac{3}{4}$.
- 111 Grooved Axe or Celt. $3\frac{3}{4} \times 1\frac{1}{2}$.
- 112 Grooved Axe of small size, narrowing towards the point; well finished and fine. 3×2 .
- 113 Grooved Axe; broad, deep groove, narrowing toward the edge. $5\frac{1}{4} \times 3\frac{1}{2}$.
- 114 Grooved Axe; greenish porphyry, one side longitudinally grooved. $4\frac{1}{2} \times 3$.
- 115 Grooved Axe; well finished and partly polished. $3\frac{3}{4} \times 1\frac{3}{4}$.
- 116 Red hematite, has been wrought; a fine example.
- 117 Hematite, of large size; has been slightly worked. $3 \times 2\frac{1}{4}$.
- 118 Hematite; has been rubbed as a Paint stone; triangular in form. $1\frac{1}{2} \times 1\frac{1}{2}$.
- 119 Hematite, flattened oval Muller; fine and very scarce. $1\frac{1}{2} \times 1\frac{1}{4}$.
- 120 Hematite, long elliptical grooved Plumb-bob; very fine and handsomely finished. $2\frac{1}{2} \times 1\frac{3}{4}$.
- 121 Celt, or ungrooved Axe; hematite; edge very slightly chipped, but practically unblemished, and a fine and rare implement. $2\frac{1}{2} \times 2$.
- 122 Hematite, rubbed as a Paint stone. $1\frac{1}{2} \times 1\frac{3}{4}$.
- 123 Variegated flint fragment, has been chipped. $2 \times 1\frac{1}{2}$.
- 124 Banner Stones and Arrow-sharpener; imperfect. 3 pcs.

- 125 One end of a bar Amulet; shows characteristic diagonal perforation; imperfect, but fine. $1\frac{1}{2} \times \frac{3}{4}$.
- 126 Green cylindrical Bead of native copper; fine and *very rare*.
- 127 Whorl Stone, partly perforated from each side; fine. Diameter. $1\frac{3}{4}$ inches.
- 128 Whorl Stone, plano-convex, perforated; fine. $2\frac{1}{4}$ in.
- 129 Stone Bead; fine. $\frac{3}{4}$ in.
- 130 Semi-elliptical pendant of purple slate, with thin edge extending nearly around the object; very fine. $4 \times 1\frac{3}{4}$.
- 131 Hematite Celt; sharp edge and of good form. $1\frac{3}{4} \times 1\frac{1}{4}$.
- 132 Slate pendant, oval, narrows towards ends, small perforation; very fine.
- 133 Nut Cracker or Pestle; granite; fine. $4\frac{1}{2} \times 3$.
- 134 Stone Ball of fine granitic stone; about perfect. Diameter 3 inches.
- 135 Hammer Stone or Ball; fine. Diameter $2\frac{1}{2}$ in.
- 136 Ball or Hammer Stone of quartzite; fine. Diam. $2\frac{5}{8}$ in.
- 137 Hammer Stones or Balls, nearly globular, various sizes; diameter $1\frac{1}{2}$ to 3 in. 9 pcs.
- 138 Mound Necklaces from shells of the Marginella. Two Necklaces, one comprising 108 shell beads, and the other 20 beads wrought from the colummella of small shells; in all 128 pcs.
- 139 Shell Beads, wrought like the last; large and small. 31 pieces.
- 140 Beads of the perforated teeth of some small wild animal. 27 pieces.

CHIPS FROM A PREHISTORIC WORKSHOP.

All the following, comprising Flakes and Cores, are from Flint Ridge, Licking Co., Ohio. It is said that true flint is not native to this country, but these objects are almost or quite identical in appearance with flint objects found throughout the north of Europe, presenting the same distinct and brilliant cleavage, and quite as beautiful in color as any of the genuine flints. All have been wrought, and vary in color, through all the intermediate shades, from nearly white to nearly black.

In size from 1 to 3 inches through their different diameters. They are very handsome, many being of light brilliant tints. I have never seen similar objects from any other American locality. They are fine and ornamental as mineral specimens.

- 141 Cores, Flakes and Chips; Flint Ridge, Ohio. 58 pcs.

- 142 Another lot of the same fine and handsome quality. 74 pieces.
- 143 Still another lot, the same; Flint Ridge. 58 pes.
- 144 Another lot, same quality and location. 54 pes.
- 145 Another lot, precisely the same in quality, location, etc. 39 pieces.
- 146 Still another lot, the same. 80 pes.
- 147 Another lot, the same. 30 pes.
- 148 Another lot, the same. 38 pes.
- 149 Another lot, the same. 15 pes.
- 149a Another lot, like the last. 70 pes.
- 149b Another lot, the same. 75 pes.

The following knives, scrapers, spear-heads, arrow-points and bunts, are, to a large extent, like the preceding, from Flint Ridge, Licking Co., Ohio; the remainder from various localities in Ohio. They constitute the finest collection of these objects that I have ever seen together. They are, many of them, of the beautiful colored stones, similar to the preceding lots, and present every possible diversity of form, including barbed and stemmed points and spear-heads. Also the forms recognized as serrated, bevelled, curved and triangular war-points. The variety is so great that it is obviously impossible to particularize as to form, size, material, etc. They are well assorted, and any variety mentioned is liable or almost certain to occur in any separate lot, and every individual piece, with scarcely an exception, is fine to absolutely perfect,—all being selected with greatest care.

- 150 Oval Flint Knife. $4\frac{1}{2} \times 3\frac{1}{4}$.
- 151 Elliptical Knife with rounded base. $5 \times 2\frac{1}{4}$.
- 152 Knife of veined black flint; oval. $3\frac{1}{2} \times 2\frac{1}{4}$.
- 153 Narrow pointed Knife. $4\frac{1}{4} \times 1\frac{1}{2}$.
- 154 Narrow curved Knife with hollow base. $4 \times 1\frac{1}{2}$.
- 155 Semi-elliptical Knife with square base. $4 \times 1\frac{1}{2}$.

Amongst the following will be found a large number of Knives, etc., quite as large and remarkable, and quite as worthy of separate description as any of the preceding.

- 156 Knives, leaf-shaped, oblong, elliptical, etc., etc.; mostly large, and nearly all very fine, from near Ripley, Brown Co., Ohio. 43 pes.
- 157 Knives, etc.; form, quality, etc. like the last. 26 pes.
- 158 Knives, etc.; equally fine, some larger. 54 pes.
- 159 Knives, etc.; many oval and leaf shaped, thin, delicate and perfect, the finest lot in the sale. Flint Ridge and from the vicinity of the Licking Co. Reservoir, Ohio. 81 pes.

- 160 Knives; form and quality like the last. 68 pcs.
- 161 Knives, etc.; a similar lot. 87 pcs.
- 162 Knives, etc.; the lot contains a rare selection of Arrow Heads of different form and material. 236 pcs.
- 163 Knives; long pointed, elliptical, etc.; fine lot. 8 pcs.
- 164 Knives; large and small; all fine. 9 pcs.
- 165 Spear Heads and Knives; large and small; extra fine lot. 13 pieces.
- 166 Spear Heads and Knives; finer lot even than the last. 13 pieces.
- 167 Knives; mostly leaf shaped and small; fine. 16 pcs.
- 168 Knives and Spear Heads; quality like the last, some larger; fine. 18 pcs.
- 169 Knives; same variety; better than the last. 18 pcs.
- 170 Knives, Spear Heads and Arrow Points; all fine, some Spear Heads large. 33 pcs.
- 171 Small leaf shaped Knives, one broad fine Spear Point; fine lot, all perfect. 13 pcs.
- 172 Spear Heads, Bevelled, serrated, etc.; large size, fine. Arrow Points, a great variety; perfect. 139 pcs.
- 173 Spear Heads, and Arrow Points, with some fine cleaved Knives; nearly all the Points and Spear Heads are extra fine; an almost perfect lot. 112 pcs.
- 174 Spear Heads; one uncommonly large; extra fine lot. 20 pieces.
- 175 Spear Heads, brown jasper, etc.; all very fine. 22 pcs.
- 176 Spear Heads, leaf shaped Knives, etc.; large and very fine. 5 pcs.
- 177 Spear Heads and Knives, of good size and fine; an extra lot. 13 pcs.
- 178 Spear Heads; large and fine, one bevelled and curved, another serrated and curved, and other rare forms; all very fine. 19 pieces.
- 179 Spear Heads; a large and fine lot. 12 pcs.
- 180 Spear Heads and small Arrow Points, War Points, etc.; all fine. 54 pieces.
- 181 Spear Heads and Arrow Points; fine. 25 pcs.
- 182 Spear Heads and Knives; some rare forms; fine. 17 ps.
- 183 Arrow Points; average of small size; all fine. 55 pcs.
- 184 Arrow Points; a lot of same quality, jasper, chalcedony, etc.; fine lot, nearly all fine. 58 pcs.

- 185 Spear Heads and Arrow Points; fine lot, many extra fine as to material; barbed, stemmed, serrated, etc. 52 pieces.
- 186 Arrow Points and War Points; some coarsely serrated; fine lot, 49 pieces.
- 187 Arrow Points; jasper, etc.; very fine lot, contains one or two drills. 49 pes.
- 188 Arrow Points; some serrated, a few with coarse serrations; handsome in workmanship and material; several of jasper; an extra fine lot. 45 pes.
- 189 Arrow Points; handsome lot; fine as the last. 45 pes.
- 190 Spear Heads and Arrow Points; all very fine, of handsome material. 51 pes.
- 191 Spear Heads and Arrow Points; all fine, mostly of large size. 44 pes.
- 192 Another lot, equally fine. 60 pes.
- 193 Arrow Points and Spear Heads; very fine lot. 40 pes.
- 194 Arrow Points, similar lot to the last. 41 pes.
- 195 Spear Heads and Arrow Points; very fine. 45 pes.
- 196 Bunts or blunt Arrows; a fine selection, perfect and of handsome material. These are by some supposed to be scrapers, by others they are thought to have been used to kill birds without injuring the plumage. 58 pieces.
- 197 Bunts: a lot like the last, precisely similar in quality. 65 pieces.
- 198 Bunts; another lot, a fine selection. 66 pes.
- 199 Bunts; another lot, best of the four. 60 pes.
- 200 Thin granite Celt: polished and finely finished; Ripley, Brown Co., Ohio. $4\frac{1}{4} \times 2\frac{1}{2}$.
- 201 Celt of light-colored stone, polished and finely finished. $3\frac{3}{4} \times 2$.
- 202 Celt or Skinner; very fine. $3 \times 1\frac{1}{4}$.

A SMALL NEW ENGLAND COLLECTION.

Duplicates from an Archaeological Museum.

- 203 Skinner; so called by a former owner, Beverly, Mass. $6\frac{3}{4} \times 2\frac{3}{4}$.
- 204 Hammer Stone, Beverly; water worn, but shows marks of use. $3\frac{1}{4} \times 2$.

- 205 Hammer Stone; wrought all over. $4\frac{1}{2} \times 1\frac{1}{2}$.
- 206 Small Pestle or Muller.
- 207 Broken Celt, Deerfield, Mass. $3\frac{1}{2} \times 2\frac{1}{4}$.
- 208 Gouge, Plainfield; originally good, but the edge worn and the upper end broken. $5 \times 2\frac{1}{4}$.
- 209 Celt, Deerfield; side square, upper end broken. $3 \times \frac{1}{2}$.
- 210 Pestles, Deerfield; both broken. 2 pcs.
- 211 Rubbing Stones, Deerfield; both good. 2 pcs.
- 212 Adze Celt; slightly chipped at edge, upper end curved, but for the trifling defect would be very fine; Hadley. 12×2 .
- 213 Celt, South Deerfield; rudely wrought but of uncommon form. 7×2 .
- 214 Adze-like Celt, slightly hollowing or gouge form; Deerfield. 7×2 .
- 215 Celt, Deerfield; ends chipped. $8 \times 3\frac{1}{4}$.
- 216 Angular Celt, Hadley; wrought in unusual form. $6\frac{1}{2} \times 1\frac{1}{2}$.
- 217 Celt, Hadley; end broken. $4\frac{1}{2} \times 2\frac{1}{2}$.
- 218 Pestle, Hadley; good form, tapering towards top. $10\frac{1}{2} \times 2$.
- 219 Pestle, slightly curved; found on Sherman farm at Plympton, 1880. $8\frac{3}{4} \times 2\frac{1}{2}$.
- 220 Celt, Brewster; of coarse stone, resembling actinolite; carefully wrought, but shows effect of contact with salt water for ages. $5\frac{3}{4} \times 2\frac{1}{4}$.
- 221 Celt, or Gouge; edge a little chipped; of good form, and shows marks of working; Duxbury. $6\frac{3}{4} \times 2\frac{1}{2}$.
- 222 Celt and Gouge; both from Wayland; originally of good work, but both broken.
- 223 Celt, Auburn, Me.; all prehistoric relics from Maine are very scarce; fine. $5\frac{1}{2} \times 2\frac{1}{2}$.
- 224 Rude Celt, Wayland; ploughed up in a meadow near the house on the Wade farm. $5\frac{1}{2} \times 2$.
- 225 Half of a rude Celt, from Plymouth County. 3×2 .
- 226 Small Pestle, Deerfield. $5\frac{1}{2} \times 1\frac{1}{4}$.
- 227 Rubbing Stone, or Muller; Deerfield; fine. 3×1 .
- 228 Celt, Dead Man's Point, Great Cranberry Island, Me.; taken from shell heap; edge a trifle broken; shows re-working. $7 \times 2\frac{1}{2}$.
- 229 Celt and Pestle, Duxbury; broken. 3 pcs.
- 230 Grooved Axe; groove newly wrought; good, or nearly fine; Ohio. $6 \times 3\frac{3}{4}$.

- 231 Grooved Axe ; square top ; Ohio ; fine. $3\frac{3}{4} \times 3$.
- 232 Celt, Wood County, Ohio ; slaty material ; bears numerous transverse marks ; fine. $3\frac{1}{2} \times 1\frac{3}{4}$.
- 233 Celt, Green slate, New Hampshire ; very fine. $3\frac{1}{2} \times 2\frac{1}{4}$.
- 234 Thick Celt ; edge fine, top rounded ; Gallia County, Ohio. $2\frac{1}{4} \times 1\frac{1}{2}$.
- 235 Small Hammer, or Sinker, from an Indian camping-ground ; Baboosuck Pond, N. H. ; fine. $1\frac{3}{4} \times 1\frac{1}{2}$.
- 236 Similar Stone, same locality ; very fine. $2 \times 1\frac{1}{2}$.
- 237 Hammer Stone, from shell-heap, Concord River, Mass. $4 \times 3\frac{1}{2}$.
- 238 Curiously wrought stone, from an Ohio mound. $2\frac{1}{2} \times 2\frac{1}{4}$.
- 239 Fine little grooved Axe, or Celt, from Ohio. $2\frac{3}{4} \times 1\frac{1}{2}$.
- 240 Celt, from Fort Tecumseh, Mich. : good and well wrought. 5×3 .
- 241 Celt, Georgia ; finely polished, but chipped. $3\frac{1}{2} \times 1\frac{3}{4}$.
- 242 Portion of a Celt, from Clear Lake County, Ontario, Canada. $3 \times 2\frac{1}{2}$.
- 243 Banner Stone, Pontiac, Mich. ; broken, and pierced for mending. $4\frac{1}{2} \times 2\frac{1}{2}$.
- 244 Portion of a Discoidal Stone, Georgia. 3×2 .
- 245 Rubbing Stone, Vermont. $2\frac{1}{4} \times 1\frac{1}{4}$.
- 246 Gorget, New Hampshire ; one end covered with deeply cut record, or tally-marks. $3 \times 1\frac{3}{4}$.
- 247 Half of an axe-shaped Banner Stone, Deerfield ; good. $2\frac{1}{4} \times 1\frac{1}{2}$.
- 248 A series of Sinkers, collected in Tioga County about 1830. Size $2\frac{3}{4} \times 1\frac{1}{2}$ to $5 \times 3\frac{1}{2}$. 11 pcs.
- 249 Pottery, Hot Springs, Ark. : fragments ; a part of large size, and some ornamented with incised lines. 11 pcs.
- 250 Mound Pottery, from Southern shell-heaps, Georgia, and other locations, some showing ornamentation. 48 pieces.
- 251 Mound Pottery, Florida ; perforated. 2 pcs.
- 252 Mound Pottery, Georgia ; some of large size, one ornamented. 36 pcs.
- 253 Spear Point. Jackson Co., West Va. ; notched at base. $4\frac{1}{2}$ in.
- 254 Elliptical Spear Head, Plainfield, Conn. $4\frac{1}{4}$ in.
- 255 Spear Heads, Bristol and Monmouth, Me. : rare locality ; fair and good. 2 pcs.
- 256 Bunt, Spear Points, etc. : Georgia. 4 pcs.

- 257 Arrow Points, Deerfield. 17 pcs.
- 258 Arrow Points and fragments; one fine, of smoky quartz; Cumberland, R. I. 100 pcs.
- 259 Turtle Baeks, Knives, Arrows and fragments; have nearly all been wrought; found in a single field in Duxbury. 120 pcs.
- 260 Arrow Points, Massachusetts; fine lot, labelled. 10 pcs.
- 261 Similar lot, Ohio and W. Virginia. 11 pcs.
- 262 Another lot, larger; some Spear Heads. 15 pcs.
- 263 Another lot; Spear Heads, Arrow Points and Bunts, labelled. 13 pieces.
- 264 Rude implements, Fresh Pond, near Boston. 9 pcs.
- 265 Arrow Points, etc., various localities; good. 11 pcs.
- 266 Arrow Points, Cumberland, R. I.; good lot, scarce for locality. 12 pcs.
- 267 Spear Heads, different New England localities; good, scarce. 11 pcs.
- 268 Arrow Points, Illinois; Scraper, Georgia; good lot. 14 pieces.
- 269 Rude implements, fragments, etc., Concord, Mass. 23 pieces.
- 270 Arrow and Spear Points, Pennsylvania; fine lot. 16 ps.
- 271 Arrow and Spear Points, Concord, Mass., rare for locality; a good lot. 35 pieces.
- 272 Arrow and Spear Points, Kentucky, Ohio and West Virginia; fair lot. 19 pcs.

OBJECTS FROM NEW ALBANY, INDIANA.

- 273 Large grooved granite Axe; groove very deep with ridge above and below, one side square. 5 x 4.
- 274 Grooved Axe of sharp-grained sandstone; fine. 5 x 3.
- 275 Grooved Axe; very good. 4 x 2½.
- 276 Grooved Axe, dark granite rock; fine. 4 x 2¼.
- 277 Celt; polished edge; fine. 5¾ x 2½.
- 278 Celt; good. 4¼ x 2½.
- 279 Polished Celt; perfect; of dark stone. 4 x 2¼.
- 280 Polished Celt, of fine form; worn at the top. 4 x 2½.
- 281 Celt; perfect. 4½ x 2.
- 282 Broad Celt; fine. 4¼ x 2½.

- 283 Celt; good. $4\frac{1}{2} \times 2\frac{1}{2}$.
- 284 Granite Celt; sides flat; fine. $4\frac{1}{2} \times 2$.
- 285 Turtle Back, of dark purple flint; fine, and a scarce implement. $4 \times 3\frac{1}{2}$.
- 286 Broad elliptical Knife; fine. $4\frac{1}{4} \times 2\frac{1}{2}$.
- 287 Broad thin Knife; one end rounded. $4 \times 2\frac{1}{2}$.
- 288 Elliptical Knife; in form nearly like the last. $4\frac{3}{4} \times 2\frac{3}{4}$.
- 289 Short Pestle. $4 \times 2\frac{1}{2}$.
- 290 Fine collection of Indiana Spear Heads: all good or fine; length varies from $2\frac{1}{2}$ to 4 inches and more. 70 ps.
- 291 A similar lot; some serrated and some laterally curved; as good as the last. 60 pieces.

OBJECTS FROM LOS ANGELES AND LOWER CALIFORNIA.

Almost without exception the objects following are of great rarity, being but seldom found in Eastern collections, or, for that matter, outside the National Museum, which possesses, perhaps, the finest suite known.

- 292 Olla, or cooking vessel of Steatite; height about 14 inches, diameter about the same; nearly globular, with an opening five inches across. This particular example is of remarkable fineness, nicely finished inside and out. These great vessels were used by the Indians for cooking purposes. Taken from an Indian grave, and my informant says it still remains a mystery as to whence the rock was obtained. As fine as when made; perfect, and without a blemish.
- 293 Olla; like the last; the opening ornamented around edge, with incised lines; the height is about 8 inches, and its diameter about 11 inches; it has evidently been subjected to great heat, and about the upper opening are a number of fractures which appear to have been caused thereby, with which exception the vessel is fine and perfect.
- 294 Stone Mortar; grooved around the top, with well formed pestle; the mortar has a diameter of 5 inches, and is 4 inches high; pestle is $5\frac{1}{2}$ inches long.
- 295 Another Mortar of larger size of hard stone; perfect in form; height, 6 inches; diameter, 8 inches; pestle diminishing in size from base to top: $7\frac{1}{2}$ inches long, the edge of the mortar shows a trifling ancient defect, but it is a very fine object.

This and preceding are from Indian graves in Southern California.

- 296 Steatite Cooking Plate ; in form resembling the blade of an ordinary shovel ; evidently a baking pan hollowed at the top, with an elevation surrounding three sides of the edge ; perforation in the middle near the top a little less than an inch in diameter ; width $9\frac{1}{2}$ inches, length 10 inches ; cracked at upper corner, but very fine and *rare*.
- 297 Club Head of dense sandstone ; diameter $3\frac{1}{2}$ inches ; perforation one inch in diameter, contracting towards the middle ; a fine and *rare* object.
- 298 Club Head of the same general description, but less thick ; material, dark stone, and perforation larger.
- 299 Club Head of compact lava ; perforation $1\frac{1}{4}$ inches, contracting towards the middle.
- 300 Club Head of sandstone ; thick, with large perforation.
- 301 Small pigment Mortar of close-grained stone, resembling agate ; very pretty and neatly made ; diameter $1\frac{1}{3}$ in.
- 302 Another little pigment Mortar ; exterior diameter 1 in., depth a little less ; very fine indeed.
- 303 Perforated Disks of shell used by Indians in playing a game they called Kioti.
- 304 A Fish, distorted in form, handsomely carved in soft stone ; a rare and handsome object. $4 \times 1\frac{1}{4}$ in.
- 305 Stone parrot Pipe, opening at the top, and two stem holes at the side ; a rare and remarkable object of dark, nearly black stone. Length $2\frac{1}{2}$ in.
- 306 Instrument formed from the leg-bone of some large animal, its form suggesting a musical instrument, but use unknown. Length 8 inches, diameter $2\frac{1}{4}$ inches.
- 307 Perforated Ornaments cut from the Abalona shell ; a string like a necklace, of various forms and perforated. 13 pieces.
- 308 Another String or Necklace ; different forms, fine. 12 pieces.
- 309 Another String ; these ornamented strings are rarely found ; this has no less than 53 pcs.
- 310 Another similar String. 10 pcs.
- 311 Ornaments made from a variety of small univalve shells, sometimes described as shells used to make wampum ; a box of nearly 100.
- 312 Bivalve scollop Shell of large size ; fossil.
- 313 Another fossil Shell still larger than the last ; very fine.
- 314 Small Mortar, uncommonly fine. $2\frac{1}{2}$ x a diameter of 3 inches ; with a fine polished pestle or muller.

- 315 Large teeth of grizzly bear, and other teeth of large animal. 7 pieces.
- 316 Bone implements, bodkins, etc., the latter good and scarce. 21 pieces.
- 317 Necklace of flat shell and glass beads; great crystal pendant attached by asphaltum; rare and costly object of Indian adornment.
- 318 Necklace of perforated flat beads of shell with perforated shell disk $1\frac{1}{3}$ inches in diameter; in number several hundred.
- 319 Necklace of minute univalve shells.
- 320 Circular Stone, grooved top; used by California Medicine Men in practicing sorcery. Length 3. diameter $1\frac{1}{2}$ inches.
- 321 Part of a perforated soapstone Dish. $3 \times 1\frac{1}{2}$.
- 322 Fragments of large beads. 2 pes.
- 323 Long elliptical Bead resembling chalcidony; very fine. $1\frac{1}{4}$ inches.
- 324 Perforated Pendant like lapis lazuli. $1 \times \frac{1}{2}$.
- 325 Fragment of California prehistoric Pottery; elliptical pendant or sinker. $2\frac{1}{2} \times \frac{3}{4}$. Fine.
- 326 Arrow Point; quartz or chalcedony; elliptical; fine. $2\frac{1}{4} \times 1$.
- 327 Leaf-shaped Arrow Point; very fine. $2\frac{1}{2} \times \frac{3}{4}$.
- 328 Arrow Point; same form, slender and handsome.
- 329 Broad Arrow Point; purple jasper. $1\frac{1}{2} \times \frac{3}{4}$.
- 330 Spear Point with narrow base. $2\frac{1}{8} \times 1$.
- 331 Small California Arrow Points from various southern localities; fine lot. 12 pes.
- 332 Indian Whetstones; fine. 4 pes.
- 333 Large black stone Bead.
- 334 Portion of a large stone Dish; diameter 5 inches; originally fine, but has been broken.
- 335 Pendant or Sinker; fine. $3\frac{1}{2} \times 1\frac{1}{2}$.
- 336 Drill or Chisel used in fabrication of ollas and other large soapstone vessels. $4\frac{1}{2} \times 1\frac{1}{2}$.
- 337 Carving in alabaster of an Indian woman, showing the peculiar style of dressing the hair, and most unmistakable Indian features, from an Indian grave near Los Angeles; the finest object of its class that I have seen; polished and finely finished. Height $2\frac{5}{8}$.
- 338 Lance Head, closely resembles Scandinavian work; very fine. $5\frac{3}{4} \times 1\frac{1}{2}$ inches.

- 339 Perforated Ornaments of Abalona shell. 10 pes.
- 340 Ornaments of Abalona shell, perforated each with one, two or three holes. 11 pes.
- 341 Spear Head with rounded base; very fine.
- 342 Stone Ornaments, minute in size, and in form much resembling the Scandinavian semi-lunar Knife. 185 pes.

A COLLECTION FROM GEORGIA.

Nearly all from Cherokee County. These objects were gathered for me by a clergyman who has long devoted his attention to the business, and whose skill and care are unexcelled; like all the other objects in this sale, every piece is carefully selected, and warranted genuine and authentic.

- 343 Grooved Axe showing secondary working over most of the surface; a portion has never been wrought; Cherokee Co. 6 x 4.
- 344 Grooved Axe of dark granitic stone, from some southern locality, though not from Georgia; fine. 6 x 4.
- 345 Grooved Axe; narrow groove, edge badly broken. $3\frac{1}{2}$ x 3.
- 346 Grooved Axe; Ohio; head a little chipped; very good. 6 x $3\frac{1}{2}$.
- 347 Small grooved Axe; broad deep groove with ridge below; head shows marks of use. 4 x $2\frac{1}{4}$.
- 348 Oval grooved Axe; shallow groove extending over all but the inner side; very good. $3\frac{1}{2}$ x $2\frac{1}{4}$.
- 349 Grooved Axe; thick, nearly round; broad groove; of small size; and very fine; Gwinnett Co., Ga. 4 x 2.
- 350 Small grooved Axe; groove extends only across one flat; small size; fine. From the Pennypacker collection. $3\frac{3}{4}$ x $1\frac{3}{4}$.
- 351 Grooved Axe; outline approaching circular; from Chattahoochee River, Gwinnett Co., Ga.; edge a trifle worn but fine. $3\frac{1}{2}$ x $3\frac{1}{2}$.
- 352 Grooved Axe; oblong, groove all round; sandstone; Big Creek, Walton Co., Ga.; fine. $4\frac{3}{4}$ x $3\frac{3}{4}$.
- 353 Grooved Axe; size, form and material nearly matching the last; Gwinnett Co.; fine. $3\frac{1}{2}$ x 3.
- 354 Grooved Axe; narrow groove; the object is small and of graceful form; Pennsylvania. $4\frac{1}{2}$ x $2\frac{1}{4}$.

- 355 Grooved Axe; groove narrow and near the top; edge contracted to half the width of the head; well finished and polished. $5 \times 3\frac{1}{2}$.
- 356 Grooved Axe; thick, with broad, deep groove; one side flat; small and fine. 4×2 .
- 357 Grooved Axe; edge shows what appear to be tally-marks; good, but of rude workmanship. $4\frac{1}{4} \times 2\frac{1}{2}$.
- 358 Grooved Axe, or Hammer; both ends nearly pointed; searee form; Ohio. $5\frac{1}{2} \times 2\frac{1}{2}$.
- 359 Grooved Axe, nearly square; that is, the width and thickness about equal; rare form; edge at both ends; deep groove extending all around; Franklin Co., Ark. A remarkable example. $5\frac{1}{2} \times 1\frac{3}{4}$.
- 360 Grooved Adze, or Chisel; Ludlow, Mass.; fine example of a rare form; light granite. $9\frac{1}{4} \times 2\frac{1}{2}$.
- 361 Celt; Lehigh Valley, Pa. From the Pennypacker collection. $5 \times 2\frac{1}{2}$.
- 362 Slate Celt. 4×2 .
- 363 Celt, or Skinner; from Lansing, Mich.; Jenison collection; very fine, and has been varnished to show the beauty of the stone. $6 \times 2\frac{3}{4}$.
- 364 Celt; Cherokee Co., Ga.; edge slightly expanded; fine. $4\frac{1}{4} \times 2\frac{1}{4}$.
- 365 Celt, of purple jasper, Georgia; top nearly pointed, edge slightly chipped; fine. $4\frac{1}{2} \times 2\frac{3}{4}$.
- 366 Celt of dark stone veined with white; top square; Madison County, N. Y.; fine; searee locality. $4 \times 2\frac{3}{8}$.
- 367 Celt, or Skinner; one side nearly flat. 5×3 .
- 368 Celt, or Skinner; dark granite; Georgia; fine. $4\frac{1}{2} \times 2$.
- 369 Celt, thick edge, and top rounded; fine. 4×2 .
- 370 Celt; Georgia. $5 \times 2\frac{1}{2}$.
- 371 Celt; edge sharp, top pointed; Dawson Co., Ga.; fine. $5\frac{1}{4} \times 2$.
- 372 Long Celt; round edge and pointed top; very fine, one of the best I have seen; Hightower River, Forsyth Co., Ga. $11 \times 2\frac{1}{2}$.
- 373 Celt; Cherokee Co., Ga.; a nearly exact duplicate of the last: equally fine with the exception of a minute chip from the edge. To match this pair of celts would be very difficult.
- 374 Broad Celt, with square edges, top rounded; very fine; Georgia. $7\frac{1}{2} \times 3\frac{1}{4}$.

- 375 Large broad thin Celt, slightly curved; Faulkner Co., Ark.; uncommonly fine. $10 \times 3\frac{3}{4}$.
- 376 Celt, or Skinner, Georgia; fine, and of large size; partly polished. $6\frac{1}{2} \times 3$.
- 377 Celt, dark granite; Wisconsin; fine. $6\frac{1}{2} \times 3$.
- 378 Celt; Wisconsin; fine. $5\frac{1}{2} \times 2\frac{1}{2}$.
- 379 Celt, or Skinner; edge a little curved or gouge-shaped; slate; fine. 5×2 .
- 380 Small fine Celt, with rounded top; North Carolina. 4×2 .
- 381 Celt, edge diagonal; very good. $4\frac{1}{4} \times 2$.
- 382 Celt, coarse grained sandstone; Georgia. $4\frac{3}{4} \times 2$.
- 383 Celt, one side flat, top narrowed. $4\frac{1}{2} \times 2\frac{1}{2}$.
- 384 Celt, black stone, polished; fine, top broken; Arizona. $4 \times 2\frac{1}{4}$.
- 385 Celt, of dense fine-grained slate; Pomfret, Conn.; fine. $6\frac{1}{2} \times 1\frac{3}{4}$.
- 386 Celt, or Skinner, one side flat, fine; Georgia. 4×2 .
- 387 Celt, with narrow top; Rhea Co., Tenn.; thin; fine. 6×2 .
- 388 Skinner, edge concave, substance resembling jasper; Tennessee. 4×2 .
- 389 Celt, of light granite; symmetrical and fine. $3\frac{3}{4} \times 1\frac{3}{4}$.
- 390 Celt, thick, with pointed top; fine; Georgia. $4\frac{1}{2} \times 2$.
- 391 Celt, or Skinner; compact yellow granite; Indiana; fine and perfect. $5 \times 2\frac{1}{4}$.
- 392 Oval Celt, thin; fine. $4\frac{3}{4} \times 2\frac{1}{2}$.
- 393 Celt, of purple jasper, polished; fine; top nearly pointed. $3\frac{1}{2} \times 1\frac{5}{8}$.
- 394 Celt, of slate, one side more beveled than the other. $2\frac{3}{4} \times 1\frac{3}{4}$.
- 395 Thin oval Celt. 3×2 .
- 396 Celt, of lava; Central America; fine, rare for material, work and location. $7\frac{3}{4} \times 3\frac{1}{4}$.
- 397 Celt; slate from Ireland; rare and fine for its locality. $5 \times 2\frac{3}{4}$.
- 398 Celt; slate. $5\frac{1}{4} \times 2$.
- 399 Round, narrow Celt; top broken; Montgomery Co., Ark. $3\frac{1}{2} \times 1\frac{1}{2}$.
- 400 Celt of dark granite; near Milwaukee, Wis; fine. $4\frac{1}{4} \times 2$.
- 401 Rude slate Celt; Wisconsin. $3\frac{1}{4} \times 2\frac{1}{4}$.

- 402 Black polished Celt; Arizona; very fine; top broken.
3 x $2\frac{1}{4}$.
- 403 Small Celt, jasper, resembles hematite; upper half shows
secondary working. $2\frac{1}{4}$ x $1\frac{1}{2}$.
- 404 Narrow slate Celt, sides square; Michigan; good. $5\frac{3}{4}$
x 2.
- 405 Rude slate Celt. $3\frac{1}{2}$ x 2.
- 406 Thick, nearly round Celt; Wisconsin; fine. $3\frac{1}{2}$ x $1\frac{3}{4}$.
- 407 Small Celt, edge dulled. 3 x $1\frac{3}{4}$.
- 408 Slate Celt; Auburn, N. Y.; good, scarce. 3 x $1\frac{3}{4}$.

HEMATITES.

The following hematite objects are all from Ohio, but are free from even the suspicion of Cincinnati manufacture or origin. This substance, a beautiful red ore of iron, seems to have been a favorite material for ornamental work amongst prehistoric Americans. Although not extra rare, these objects are sought with avidity by all collectors of prehistoric relics.

- 409 Celt from Ohio; very fine. $3\frac{1}{4}$ x $1\frac{3}{8}$.
- 410 Celt, approaching triangular; edge rounded, surface
polished. 2 x $1\frac{1}{4}$.
- 411 Celt, Ohio. $2\frac{1}{8}$ x $1\frac{1}{2}$.
- 412 Celt, of good form, square narrow top. 2 x $1\frac{5}{8}$.
- 413 Celt, Ohio. 2 x $1\frac{1}{2}$.
- 414 Celt, Ohio; edge rounded, narrowing towards top; fine.
 $2\frac{1}{4}$ x $1\frac{3}{8}$.
- 415 Celt, thick, in form approaching oval; fine. 2 x $1\frac{1}{8}$.
- 416 Celt, narrows towards the top; fine. 2 x $1\frac{1}{2}$.
- 417 Celt, somewhat oval; fine. $1\frac{3}{4}$ x $1\frac{1}{4}$.
- 418 Celt, nearly square; fine. $1\frac{1}{4}$ x $1\frac{1}{8}$.
- 419 Celt, top much narrowed; fine. $1\frac{3}{4}$ x $1\frac{1}{8}$.
- 420 Celt, both ends narrowed, side a little broken. 2 x $1\frac{1}{4}$.
- 421 Celt, somewhat wrought, still nearly in natural form;
good and rare. $2\frac{1}{2}$ x $1\frac{1}{2}$.
- 422 Celt; fine and uncommonly small. $1\frac{1}{2}$ x 1.
- 423 Celt; has partly natural surface. $2\frac{3}{8}$ x $1\frac{1}{2}$.
- 424 Celt; well finished, edge broken. $1\frac{1}{2}$ x $1\frac{1}{8}$.
- 424a Celt; remarkable for size; handsome, with edge pol-
ished, but the surface is mostly pecked. So fine and
large an object in this material is very rare. $4\frac{1}{4}$ x 2.

- 425 Oval hematite Muller, of unusual size ; Ohio ; fine and rare. $2\frac{1}{4} \times 1\frac{5}{8}$.
- 426 Hematite Sinker ; fine and scarce.
- 427 Hematite Sinker ; a little smaller than the last.
- 428 Hematite hemi-spherical Muller ; fine.
- 429 Celt of good form and finish, but the edge broken. $2\frac{1}{8} \times 1\frac{1}{2}$.
- 430 Hematite Target Stone ; a rare object and in hematite particularly rare. $1\frac{5}{8} \times 1\frac{3}{8}$.
- 431 Target Stone of larger size ; hematite ; fine. $1\frac{7}{8} \times 1\frac{5}{8}$.
- 431a Grooved Plumb-bob of red stone resembling hematite ; elliptical, fine. $2\frac{1}{2} \times 1\frac{5}{8}$.
- 431b Oval Muller, bottom flat ; the ore variegated with a white stone ; very fine ; *rare*. $1\frac{3}{4} \times 1\frac{1}{4}$.

PIPES.

- 432 Soapstone Pipe shaped much like the common T. D. pipe, the bowl having a carved human face of unmistakable Indian physiognomy ; this figure faces the smoker and is quite artistic. Stem nearly 8 in. long, bowl in height $2\frac{1}{2}$ in. This pipe was discovered in the important find made many years since in a grave, above the limestone quarry of John E. Wertzel, Conoy township, Lancaster Co., Pa., by Mr. Ralston, and purchased from him ; of its authenticity there is no possible doubt. A finer and more characteristic pipe of the prehistoric period would probably be looked for in vain. Stem broken square across, otherwise perfect.

The following objects are mostly from the Georgia location referred to in the last note, others are from different localities of which special mention is made.

- 433 Massive Calumet or peace-pipe ; soapstone. Found in Cherokee County, Georgia ; the stem is nearly square, about 2 inches across each way, and is from the intersection with the bowl 3 inches long ; the bowl rises at a right angle from the stem about 2 inches square at the base and $2\frac{1}{4}$ inches at the top ; its height is about 5 inches. Fine, but more or less chipped at the angles. Weight about $2\frac{1}{2}$ pounds. A good and rare example.

- 434 Soapstone Calumet; finely finished and nearly perfect. From Hightower River, Forsyth Co., Ga. In form like the preceding. Length, $4\frac{3}{4}$ in., height, $2\frac{3}{4}$ in.
- 435 Another Pipe, similar to the two preceding in form and material, but somewhat smaller in size; Hightower River, Georgia. Bowl a little defective at the top. $4 \times 2\frac{1}{4}$ in.
- 436 Mound-Builders' Pipe of pottery; the stem round, bowl vase-shaped. Faulkner Co., Ark. Rare. $5\frac{1}{2}$ in. long, $2\frac{5}{8}$ in. high.
- 437 Soapstone Pipe; stem and bowl round. Both bowl and stem a little broken at the opening. Chattahoochee River, Walton Co., Ga. $2\frac{3}{4} \times 2\frac{1}{8}$ in.
- 438 Stone Pipe, of good form and small size; fine and rare. $1\frac{1}{4} \times 1$ in.
- 439 Another Stone Pipe, like the last, of nearly black stone; small but fine, and of fine form; Hightower River, Ga. $1\frac{3}{4} \times 1$.
- 440 Sioux Pipe, of catlinite; cracked and cemented; this pipe is peculiar in having two bowls; it is old but not prehistoric; fine. $4\frac{3}{4} \times 2\frac{3}{8}$.
- 441 Sioux Pipe, of catlinite; spirited carving of a horse's head; of modern Indian work; fine, but a little broken. $2\frac{3}{4} \times 2\frac{3}{8}$.

DISCOIDAL STONES.

Amongst American prehistoric objects, with the possible exception of amulets and banner stones, the double concave discoidal stone is the most earnestly sought for and highly valued, a distinction to which its beauty fairly entitles it.

- 442 Discoidal Stone, quartzite; double concave: highly finished and polished: diameter, $5\frac{3}{4}$ in., thickness, $2\frac{1}{2}$ in.; the cavities 4 inches across and fully 1 in. deep. The material is yellow, much the color of an anatto-colored cheese, the yellow being mixed with darker clouds. Amongst the many I have had and the far greater number observed, I have never seen a finer object of this class than the present. It is absolutely free, in material and workmanship, from any defect whatever, except a trifling flaw in the stone before it was wrought, which detracts in no degree from its beauty and value. From Cherokee County, Georgia.

- 443 Double concave Discoidal, of white silicious stone; between the surface depressions which increase in depth as they approach each other is a finely wrought circular opening about $\frac{3}{4}$ in. in diameter. For beautiful finish this stone nearly equals the last described, but the margin at one edge is a little broken, and at the opposite edge are three trifling fractures scarcely more than perceptible. Besides these blemishes it has no defects; diameter, $5\frac{3}{8}$ in.; thickness nearly 2 in. Few cabinets can boast so fine a specimen. From Cherokee Co., Ga.
- 444 Double concave Discoidal; as perfect as the preceding, but less fine in finish; still very fine, being without defect; *rare*. Georgia. $4\frac{3}{8} \times 1\frac{3}{4}$.
- 445 Double Discoidal, of dark micaceous stone; very fine, with an irregular nearly circular perforation in centre connecting the concaved surfaces; fine and desirable. Georgia. $5\frac{3}{8} \times 1\frac{1}{2}$.
- 446 Double concave Discoidal of light quartzite with dark veining; fine; Georgia. $3\frac{1}{2} \times 1\frac{5}{8}$.
- 447 Double Discoidal, the edge nearly perpendicular to surface; Georgia; fine. $2\frac{5}{8} \times 1\frac{3}{4}$.
- 448 Double concave Discoidal; good, but of small size. $2\frac{3}{4} \times 1$.
- 449 Double concave Discoidal; well made and *rare*; South Carolina. $2\frac{1}{2} \times \frac{3}{4}$.
- 450 Double concave Discoidal; dark material resembling mound pottery; good. $2\frac{1}{4} \times 1$.
- 451 Double concave Discoidal stone; fine. 2×1 .
- 452 Double concave Discoidal stone; fine. $1\frac{3}{4} \times 1$.
- 453 Double convex Discoidal, white silicious stone; Clay County, N. C., from Tennessee River; fine. $4\frac{1}{4} \times 1\frac{1}{2}$. This variety of game-stone is nearly as rare as the double concave variety.
- 454 Discoidal Stone, double convex, bung shaped; nicely finished of stone resembling dark chalcedony; not circular, but approaching oval in shape; North Carolina, fine; *rare*. $4\frac{1}{2} \times 1\frac{3}{8}$.
- 455 Bung-shaped Discoidal; like the last but smaller and thicker. $2\frac{7}{8} \times 1\frac{3}{8}$.
- 456 Plano-convex Discoidal; fine, though a little chipped. $3\frac{1}{2} \times 1\frac{1}{4}$.
- 457 Double convex bung-shaped Discoidal of grey stone, resembling grey chalcedony; fine. $2\frac{5}{8} \times 1\frac{3}{8}$.

- 458 Double convex Discoidal ; a water-worn stone, wrought only around the edge ; fine. $3\frac{1}{2} \times 1\frac{1}{8}$.
- 459 Bung-shaped Discoidal ; quartzite, with dark veins, double convex ; very fine and rare ; from western North Carolina. $3\frac{3}{4} \times 1\frac{3}{4}$.
- 460 Discoidal ; yellow horn-stone ; edge chipped. $3 \times 1\frac{1}{2}$.
- 461 Discoidal ; yellowish white stone, resembling chaledony ; McDowell Co., North Carolina ; fine. $2\frac{5}{8} \times 1$.
- 462 Bung-shaped Discoidal, of dark stone, handsomely finished and perfect ; *rare* ; Highwater River, Ga. $2\frac{1}{4} \times 1\frac{1}{8}$.
- 463 Discoidal ; nearly duplicate of the last ; western North Carolina. $2\frac{1}{2} \times 1$.
- 464 Discoidal ; appears to be of light sandstone. $2\frac{3}{8} \times \frac{3}{4}$.
- 465 Discoidal, fine white sandstone ; Big Creek, Milton Co., Georgia. $2\frac{1}{2} \times 1\frac{1}{8}$.
- 466 Discoidal ; double convex ; fine. Southwestern North Carolina. $2\frac{1}{2} \times 1\frac{1}{8}$.
- 467 Discoidal made to fit the cavity of a double concave stone ; far rarer than the discoidal stones themselves ; the only one I have ever met with before was accurately ground to fit the opening in a double concave stone with which it was found and to which it evidently belonged. $1\frac{1}{4} \times 1\frac{1}{2}$. Clarksville, Tenn.
- 468 Bung-shaped Discoidal of red stone closely resembling hematite ; good, lower edge chipped ; *rare*. $2\frac{1}{4} \times 1$.
- 469 Double convex Discoidal of white quartz in form of a flattened globe ; very fine. $2\frac{1}{4} \times 1\frac{1}{4}$.
- 470 Double concave Discoidal ; finely wrought, material much like 468. 2×1 .
- 471 Circular Stone, plano-convex ; the bottom appears to have been used as a rubber ; very fine. 3×1 .

PESTLES.

- 472 Long, oblong square slate Pestle ; New Jersey ; very fine and of uncommon shape. Length $21\frac{1}{2}$ in.
- 473 Round symmetrical Pestle ; enlarges in middle, ends rounded by use ; wrought over its entire surface ; Massachusetts. Length 14 in.
- 474 Round Pestle ; ends rounded ; Mass. ; fine ; 14 in., diameter $2\frac{1}{4}$ in.

- 475 Round Pestle, a little flattened; fine. Brookline, Mass. $13\frac{1}{2}$ inches.
- 476 Round Pestle, slightly curved at one end. Conn. River Valley. 13 in., diam. $1\frac{3}{4}$ in.
- 477 Round Pestle, a little flattened; ends show marks of wear, but no fracture. $11\frac{1}{2} \times 2$ in.
- 478 Round Pestle slightly curved, one side flattened; fine. 13×2 in.
- 479 Round Pestle; broad and flattened, of mica slate. Conn. $12\frac{1}{2} \times 2\frac{1}{2}$ in.
- 480 Cylindrical long Pestle; ends rounded; fine. Mass. $9\frac{1}{2} \times 2\frac{1}{2}$ in.
- 481 Round Pestle; one side has been used as whetstone; fine. $12\frac{1}{2} \times 2\frac{1}{2}$.
- 482 Round Pestle; ends rounded, one tending toward a point; fine. 13×2 .
- 483 Cylindrical Pestle; one end rounded, other fractured and tending towards a celt form edge. $13 \times 2\frac{1}{4}$.
- 484 Pestle; flattened, but has seen much use. $14 \times 2\frac{5}{8}$.
- 485 Large cylindrical Pestle. Sedeboro, N. J. Fine; one side a little flattened. $11\frac{1}{2} \times 2\frac{1}{2}$.
- 486 Long Pestle from the Woolley Collection, Spotswood, N. J. Fine. $8 \times 2\frac{1}{2}$.
- 487 Round Pestle; Rhode Island. $8\frac{1}{2} \times 2\frac{1}{4}$.
- 488 Long Pestle; Oncida Co., N. Y. A groove cut round near the end, presumed to have some phallic significance. Rare and curious form. $6\frac{1}{2} \times 2$.
- 489 Round Pestle; shows recent use, having probably been used in a mortar at no very remote period; fine. $5\frac{1}{2} \times 2\frac{1}{4}$.
- 490 Mushroom-shaped Pestle; shows the characteristic concavity in the head, believed to indicate that this object was, originally, a nut-cracker, as it is found only in that portion of the country where black-walnuts usually abound; $4\frac{1}{2}$ in. in diameter across the head. $3\frac{1}{2}$.
- 491 Mushroom Pestle; western North Carolina. $5\frac{1}{4} \times 3\frac{1}{4}$.
- 492 Mushroom Pestle; the cavity in this very noticeable as in 490; eastern Tennessee. $4\frac{1}{2} \times 3\frac{1}{4}$.
- 493 Pestle, or nut-cracker, of compact quartzite; Floyd Co., Ind.; scarce material; head with cavity. $4\frac{1}{2} \times 3$.
- 494 Pestle; nearly conical, with truncated top; fine; Floyd Co., Ind. $4\frac{1}{2} \times 2\frac{1}{2}$.

GROOVED HAMMERS.

The nicely finished grooved hammer is much scarcer than the grooved axe. The following represent different portions of the country from New Hampshire to Georgia, and are remarkable for the excellence of their workmanship.

- 495 Grooved Hammer; Essex Co., Mass. $3\frac{1}{4} \times 2\frac{3}{4}$.
- 496 Grooved Hammer; one side flat for wedging in handle; fine. $3\frac{1}{2} \times 2\frac{1}{2}$.
- 497 Grooved Hammer; nearly globular; depression in the head; probably used as a nut-cracker; very fine. $2\frac{1}{2} \times 2\frac{1}{4}$.
- 498 Grooved Hammer, of coarse-grained granite, largely composed of feldspar; fine. $3\frac{1}{4} \times 2\frac{1}{2}$.
- 499 Grooved Hammer; extra fine. Grooved on three surfaces. $3 \times 2\frac{1}{4}$.
- 500 Grooved Hammer; top square with depression opposite end rounded; fine. $3 \times 2\frac{1}{2}$.
- 501 Grooved Hammer; one edge convex. Above the usual size; fine. Flint, Mich. $2\frac{3}{4} \times 2\frac{3}{8}$.
- 502 Grooved Hammer. Nearly cylindrical. Very fine. $3\frac{1}{4} \times 2\frac{1}{4}$.
- 503 Grooved Hammer; form approaching oval; fine.
- 504 Grooved Hammer; nearly globular. Small size; fine. $2\frac{1}{2} \times 2$.
- 505 Grooved Hammer; groove extending longitudinally on one side; fine. $2\frac{3}{4} \times 2\frac{1}{2}$.

GROOVED AXES.

- 506 Grooved Axe; thick; head a little chipped, otherwise fine; light-colored granite. $5\frac{1}{2} \times 2\frac{3}{4}$.
- 507 Grooved Axe, of bluish slate; groove broad and deep; fine; Cherokee Co., Ga. $4\frac{1}{2} \times 2\frac{3}{4}$.
- 508 Grooved Axe; oval, groove near top; fine. $3\frac{1}{4} \times 2\frac{1}{2}$.
- 509 Small Grooved Axe; West Virginia; fine, but head a little chipped. $5\frac{1}{4} \times 2\frac{1}{4}$.
- 510 Grooved Axe; broad, deep groove near the head; prominent ridge below; of handsome light-colored stone, finely finished; Rhea Co., Tenn.; fine. $4\frac{1}{4} \times 3$.

- 511 Narrow Grooved Axe; material resembles purple jasper; very good, nearly fine. $3\frac{3}{4} \times 2\frac{1}{4}$.
- 512 Grooved Hammer; originally a fine axe; shows secondary use as a hammer; deep, broad groove, with prominent ridge above and below. 4×3 .
- 513 Grooved Axe; nearly oval in form, broad groove, slightly chipped, but fine; Richland Co., Ohio. $4\frac{1}{2} \times 2\frac{3}{4}$.
- 514 Grooved Axe; narrow and nearly circular; fine. $5 \times 2\frac{3}{4}$.
- 515 Grooved Axe; dark, nearly black stone, blunt edge showing marks of use; fine. $3\frac{3}{4} \times 2\frac{1}{4}$.
- 516 Grooved Axe, nearly circular; edge worn; fine. $4\frac{1}{2} \times 2\frac{1}{4}$.

CELTS.

- 517 Large fine Celt; Mazeppa, Ga. $8 \times 3\frac{1}{2}$.
- 518 Celt, of sandstone. Edge polished, top nearly pointed. Georgia. Fine. $6\frac{3}{8} \times 2\frac{7}{8}$.
- 519 Celt; the sides nearly parallel, edge slightly expanded. $5\frac{1}{4} \times 2\frac{1}{4}$.
- 520 Celt; narrow top and expanding edge. Hightower River, Cherokee Co., Ga. Very fine. $6\frac{1}{4} \times 3\frac{1}{8}$.
- 521 Thin oval Celt of light colored granite. Georgia. Fine. $5\frac{3}{4} \times 3\frac{1}{4}$.
- 522 Celt; nearly oblong; dark stone interspersed with mica. $5 \times 2\frac{1}{2}$.
- 523 Celt; edge slightly concaved. Fine. 5×2 .
- 524 Celt, finely finished, almost polished. Georgia. $5\frac{1}{4} \times 2\frac{3}{8}$.
- 525 Fine, though of rude work, argelite Celt, from near the Old Salt Lick, Lycoming Co., Pa. 7×3 .
- 526 Small Celt; Dawson Co., Ga.; fine. $3\frac{1}{2} \times 1\frac{1}{2}$.
- 527 Celt; black stone, one side flat; fine. $4\frac{1}{4} \times 2\frac{3}{8}$.
- 528 Celt, with rounded top. Turkey Cove, McDowell Co., N. C.; fine. $5 \times 2\frac{1}{4}$.
- 529 Celt; nicely finished; edge a trifle chipped. Central Ohio. $4\frac{1}{2} \times 2\frac{1}{4}$.
- 530 Celt. Macon Co., N. C. 4×2 .
- 531 Celt or Skinner; one side flat. $4\frac{1}{2} \times 3\frac{5}{8}$.
- 532 Handsome Celt of fine, sharp grained sandstone; edge expanded, top round. Gwinnett County, Ga.; fine. $6\frac{1}{4} \times 2\frac{3}{8}$.
- 533 Celt, of light granite. $3\frac{1}{2} \times 1\frac{3}{4}$.

- 534 Triangular Skinner, or flat-sided Celt; light granite; fine; Ohio. $4\frac{1}{4} \times 2\frac{1}{4}$.
- 535 Handsome Celt; John Creek, Walton Co., Ga.; fine. 5×2 .
- 536 Celt; fine; curved. $4\frac{3}{4} \times 2$.
- 537 Celt; good finish; top broken. 3×2 .
- 538 Celt, of black stone; edge polished; surface shows ancient work. $4 \times 2\frac{1}{2}$.
- 539 Fine little Celt, showing particles of iron in the stone. $3\frac{1}{2} \times 1\frac{3}{4}$.
- 540 Celt; Northern Kentucky; top chipped, still fine. $4\frac{1}{4} \times 2$.
- 541 Celt, or Skinner; one face flat; fine. $4 \times 1\frac{7}{8}$.
- 542 Skinner; black stone, polished; fine. $3 \times 2\frac{1}{8}$.
- 543 Skinner; black stone, edges rounded; fine as the last. $3\frac{1}{4} \times 1\frac{7}{8}$.
- 544 Polished Celt; believed to be of Carib work; Eastern No. Carolina; fine. $3 \times 1\frac{1}{2}$.
- 545 Adze Celt; New Hampshire; edge slightly chipped, but a fine and rare implement. $4\frac{3}{4} \times 1\frac{1}{2}$.
- 546 Turtle back; North Carolina; fine; scarce. $5 \times 3\frac{1}{8}$.
- 547 Grooved Axe. Picked up by Prof. Ralston, at Norristown, Pa. $4\frac{1}{4} \times 3$.
- 548 Celt, of trap rock; shows the effect of ages of weathering and water wear. A rare and curious object. $5 \times 2\frac{1}{2}$.
- 549 Discoidal, double convex; Hightower River, Ga.; water-worn, fine. $4\frac{1}{2} \times 2$.
- 550 Double concave Discoidal; Hightower River, Dawson Co., Ga.; shows marks of weathering indicating great age. $4\frac{1}{4} \times 1\frac{1}{2}$.
- 551 Small cheese-shaped double concave Discoidal Stone; fine; a rare form. $1\frac{3}{4} \times 1$.
- 552 A large Ball, wrought all over; fine. Diameter 4 in.
- 553 Bung-shaped Discoidal, double convex; fine. Lincoln Co., Middle Tennessee.

GOUGES.

In New England the Gouge is comparatively common, more being found there than in any other section of the country..

- 554 Gouge, with parallel sides and a slight backward curve. Plymouth Co., Mass.; fine. $5\frac{1}{4} \times 1\frac{1}{2}$.
- 555 Gouge, polished; in form approaching a triangle. Peru, Ill.; a little chipped at the side; fine. $3\frac{1}{4} \times 2$.

- 556 Gouge; in form and quality like the last, but perfect. $3\frac{1}{4} \times 2$.
- 557 Large perfect and handsome Gouge from northern part of New Boston, N. H.; remarkably fine. $6 \times 2\frac{1}{2}$.
- 558 Ball of reddish stone, appears to be jasper; very fine and perfect.
- 559 Bung-shaped Discoidal; Hightower River, Ga.; fine. $3\frac{1}{8} \times 2$.
- 560 Sinker, or possibly a Pipe; nearly spherical with perforation starting from the end and coming through at the side. Concerning these objects Prof. Rau remarks: They are much more rare than those of certain other forms. Very fine. Long diameter 2 in.
- 561 Target stone; long elliptical; fine; *rare*. $2\frac{5}{8} \times 1\frac{1}{4}$.
- 562 Elliptical water-worn stone. N. C. 6×3 .
- 563 Disk of black chert, chipped all around, thicker in the centre. Schuyler Co., Ill.; fine and rare. Dia. 6 in.
- 564 Disk like the last, but more nearly leaf-shaped than circular. Ohio. $5\frac{1}{2} \times 4$.
- 565 Disk like the two preceding. Taken from a cache, in Schuyler Co., Ill.; fine. $5\frac{1}{4} \times 4\frac{3}{4}$.

ARROW POINTS, ETC., FROM OREGON.

These points which I formerly obtained in Oregon in large quantities are now almost unprocurable for jewelry points. I have had an order for these for over two years without getting one, and the Oregon dealers and finders now have orders unlimited in extent and at prices far in advance of those obtained here,—the buyers agreeing to take all points, even when fragmentary.

- 566 Jewelry Points; light colored stone, chalcedony, etc. 11 pieces.
- 567 Jewelry Points; jasper and other light colored stones, white, yellow, etc. Fine selected lot. 31 pcs.
- 568 Small Arrow Points; obsidian. 26 pcs.
- 569 Arrow Points; barbed, stemmed, serrated, etc.; obsidian; fine lot. 12 pcs.
- 570 Arrow Points; all small; obsidian. 40 pcs.
- 571 Arrow Points; will average larger in size; some fine jewelry points, but most are of obsidian. 50 pcs.
- 572 Arrow Points; jasper and other fine materials for jewelry. One, it will be noticed, is of an elegant rose tint. Above ordinary size and a very superior lot. 65 pcs.

- 573 Arrow Points; obsidian, carnelian, jasper, etc. All good. 57 pes.
- 574 Arrow Points, mostly dark; obsidian, jasper, etc.; fine lot, mostly perfect. 50 pes.
- 575 Arrow Points; light and dark; fine lot. 55 pes.
- 576 Arrow Points; dark and light, some obsidian; of extra size for Oregon points. 31 pes.
- 577 Arrow Points; obsidian, jasper, etc.; a fine lot. 80 ps.
- 578 Arrow Points; obsidian, jasper, etc.; fine lot, some extra large. 25 pes.
- 579 Arrow Points; obsidian, and stones of light color; fine selected lot. 45 pes.
- 580 Arrow Points; some of extra size, and two or three of irregular shape. 10 pes.
- 581 Arrow Points; material of different colors, from black to white; fine lot. 53 pes.
- 582 Arrow Points; mostly light colored; fine lot. 50 pes.
- 583 Arrow Points; various colors, jasper, chalcedony, etc. fine lot. 32 pes.
- 584 Arrow Points; jasper, chalcedony, etc.; fine. 40 pes.
- 585 Arrow Points; mostly of red and purple jasper; many extra size; several fish spears, slender, and of large size for Oregon objects. 24 pes.
- 586 Arrow Points, many of chalcedony; nearly all large, generally fine. 25 pes.
- 587 Arrow Points; light and dark, large and small; good lot. 19 pes.
- 588 Arrow Points of purple and red jasper; fine lot. 37 ps.
- 589 Arrow Points; leaf-shaped, barbed, etc.; all good and about the average size of Eastern points. 7 pes.
- 590 Oregon Scrapers of fine material like jewelry points, and the scrapers are rarer than points. 7 pes.
- 591 Large Arrow Points, Oregon; serrated, bevelled etc. 7 pieces.
- 592 Large Oregon Points; fine. 8 pes.
- 593 Samples of Oregon stone from which arrow points, etc. are made; many suitable for cabinets; generally of larger size than the implements; a pretty collection. 100 pieces.
- 594 Another lot like the last, equally fine. 100 pes.
- 595 Another similar lot. 100 pes.
- 596 Another lot, similar and equally fine. 100 pes.

- 597 Fine Jewelry Points of handsome color, the best lot in the sale; one a drill, a rare object. 10 pcs.

MISCELLANEOUS.

- 598 Banner Stone; semi-lunar; perforation extends nearly through; *rare*.
- 599 Banner Stones; all fragmentary, but sufficient to reproduce the forms; all *rare*. 5 pcs.
- 600 Pendant of metamorphic slate; somewhat coffin-shaped; a very fine object. $3\frac{1}{2} \times 1\frac{1}{2}$.
- 601 Pendant; oblong; good.
- 602 Pendant; oval at sides, rounding at the ends. $3\frac{3}{4} \times 1\frac{3}{4}$.
- 603 Pendant; top pointed, base rounding, perforation near top. Bronson Co., Mich. $4 \times 1\frac{5}{8}$.
- 604 Pendant; broad in the middle, contracting towards the ends. 4×1 .
- 605 Pendant, thick, celt-shaped; perforation very large at one surface, narrowing towards the other. $2\frac{1}{2} \times 1$.
- 606 Gorget; one small perforation, broken through second, or would be very fine. $4\frac{1}{4} \times 2$.
- 607 Pendant; top rounded, base nearly pointed; probably worn or carried as a whetstone for small implements. $2\frac{3}{4} \times \frac{1}{2}$.
- 608 Pendant; soapstone, two perforations at end; a later owner has inscribed on it, 1820. $3 \times 1\frac{1}{2}$.
- 609 Pendant, or Gorget; two perforations near the ends; slate; elliptical, with rounded ends; Big Bone Spring, Ky. $4 \times 1\frac{5}{8}$.
- 610 Gorget; red slate; two perforations; ends square. $3 \times 1\frac{3}{4}$.
- 611 Gorget; soapstone; one side marked with incised lines diagonally placed; Cherokee Co., Ga.; fine. $3\frac{1}{2} \times 1\frac{5}{8}$.
- 612 Gorget; soapstone; oval marked with incised lines and tally-checks on the corners; Mazeppa, Ga.; fine. $2\frac{5}{8} \times 1\frac{1}{2}$.
- 613 Banner Stone; elliptical, with large perforation, and another small hole perpendicular to surface; broken through centre hole. 3×3 .
- 614 Unfinished Pendant of purple slate; broad in middle, narrows towards ends; fine, but without perforation. $5 \times 1\frac{1}{2}$.

- 615 Unfinished Pendant; like the last, unperforated; elliptical with square ends; fine. $4\frac{3}{4} \times 1\frac{7}{8}$.
- 616 Pendant; in general resembles the canoe-shaped objects sometimes found; deep cavity and two perforations. Little River, Ga. $2\frac{1}{2} \times 1\frac{5}{8}$.
- 617 Pendants or Gorgets; all broken, but each with distinct perforations. 21 pes.
- 618 Hemispherical Muller, of light yellow granite; base flat. Big Creek, Walton Co., Ga.; fine; diam., 2 in.
- 619 Smooth square implement of white sandstone, thin at edges, thick at the middle; a trifle eurved and a perforation commenced on one side. I am at a loss to imagine to what use this object could have been applied; fine, and of rare form. North Carolina. $2\frac{1}{2} \times 2\frac{1}{2}$.
- 620 Canoe-shaped Stone; good and very scarce; Georgia. 4×2 .
- 621 Banner Stone, Georgia; form approaches semi-lunar; good, *rare*. $2\frac{1}{2} \times 1\frac{1}{2}$.
- 622 Curved soapstone object; edge used as a tally stone; fine. Walton Co., Ga. $3\frac{1}{2} \times 1\frac{1}{2}$.
- 623 Target Stone; symmetrical and fine; Georgia. Diameter nearly 2 in.
- 624 Target Stone or Ball. Diam. 1 in. This I judge was originally a large garnet; Hightower River, Georgia.
- 625 A handsome polished object which seems to be a celt with rounded edge; white, elouded with cinnamon colored stone; very remarkable. 7×3 . The origin is unknown but it is certainly prehistoric.
- 626 Pottery Tube or Dice Box made of material called dirt-ware. Tennessee Ridge, Tenn. $3\frac{1}{4} \times 2$. Perforation more than 1 inch in diameter; fine, curious and *rare*.
- 627 Mound-Builders' Vessel; small, eup-shaped with projecting lip; very fine and perfect. Diameter $2\frac{1}{2}$ in., depth 2 in. Capacity nearly a gill.
- 628 Chert Spear Head; fine form and perfect; Georgia. Length $3\frac{1}{2}$ in.
- 629 Spear Heads, Arrows, Bunts, Drills, etc., many from the Spang Collection, and are marked with his labels; mostly fine. 51 pes.
- 630 Another lot labeled in the same manner; Triangular War Points, etc. 18 pes.
- 631 Large, fine, thick Pendant, Chattahoochee River, Ga. $8 \text{ in.} \times 1\frac{1}{2}$.

- 632 Shield-shaped, barbed Spear Head, black chert; fine. 3 in.
- 633 Another, finer, narrow stem. $3\frac{1}{2}$ in.
- 634 Large Spear Points, Georgia. 4 pcs.
- 635 Oval Hammer Stone, pitted on both sides. 6 x 4.
- 636 Circular Hammer or Anvil Stone, Saltzburg, Indiana County, Pa. 3 x $3\frac{1}{2}$.
- 637 Soapstone Baking Dish, Lower California; broken. $4\frac{1}{2}$ x 5.
- 638 Bottom of a Mound Builders' Vessel, cup-shaped, with four legs; Gwinnett Co., Ga. Diam. $4\frac{1}{2}$.
- 639 Spear Points; large and small; fine; Georgia; one very handsome, of reddish, flesh-colored stone. 7 pcs.
- 640 Arrow Points, from Oregon; nearly all of fine form and size for jewelry; rare lot. 81 pcs.
- 641 Oregon Arrow and Spear Points, of the usual fine material; many of spear-point size; fine. 12 pcs.
- 642 Oregon Spear Points; very fine lot; large. 8 pcs.
- 643 Oregon Arrow Points, Spear Points and Bunts; good lot. 38 pcs.
- 644 Celt, oblong; sides parallel, top broken. 5 x $1\frac{5}{8}$.
- 645 Stone Needle; black stone, pointed, top broken; very fine. $6\frac{1}{4}$ x $\frac{1}{2}$.
- 646 Fine jasper Spear Head, curved; a rare form. $4\frac{3}{4}$ x $1\frac{5}{8}$.
- 647 Spear Head, of white quartz; fine; rare of such size. $4\frac{3}{4}$ x $1\frac{1}{2}$.
- 648 Brown jasper Spear Head, barbed; laterally carved; large, and a rare form; Penn. Length, 6 in.
- 649 A string of copper beads, 88 in number. These curiously made beads of copper are formed by nearly closing the opening at each end and connecting them by a double-headed rivet, forming a string. In my 75th sale I sold a similar string larger in size and less numerous. They were said to be Indian, and believed by the finder to be ancient, but I am informed they are made as an article of merchandise, and sold to be worn by Indian women. They are very curious, and the string sold May 2, 1885, brought \$9.00.
- 650 Hemispherical Muller; fine, and nicely wrought. Diameter, $1\frac{1}{2}$ in.
- 651 Spear Heads and Arrow Points. Georgia; fine lot. 16 pieces.
- 652 Spear Heads, etc. Equally good lot. 14 pcs.

- 653 Arrow Points ; jasper, quartz, etc.; fine. 11 pcs.
- 654 Spear Heads ; Georgia ; a few from Oregon ; a fine lot.
10 pieces.
- 655 Spear Heads, Scrapers, etc. One large barbed Spear
Head, Iowa ; all fine. 6 pcs.
- 656 Arrow Points ; all coarsely but nicely serrated ; fine
lot. 7 pcs.
- 657 Long Spear Head ; Ohio ; fine. 5 x 2½.
- 658 Spear Head ; Cooper Co., Missouri. 5 x 1½.
- 659 Spear Head of irregular shape ; Tennessee. 3¼ x 1½.
- 660 Spear Head ; elliptical, with square base ; fine. 3½ x 1¼.
- 661 Spear Heads ; Cooper Co., Mo. ; fine. 6 pcs.
- 662 Spear Head ; Missouri. 3¼ x 1¼.
- 663 Fine symmetrical Spear Head ; perfect, and of hand-
some color. 3 in.
- 664 Spear Head ; leaf-shape ; Mo. 3¼.
- 665 Large, rude but fine Spear Heads ; Louisa Co., Va., etc.
6 pieces.
- 666 Spear Head ; beveled and deeply notched ; rare form.
2½ x 1¼.
- 667 Quartz Spear Head ; Va. 2 in.
- 668 Spear Head ; of white quartz, with long, narrow stem.
3 in.
- 669 Spear Head, notched, with stem ; Obey's River, Ten-
nessee. 4 in.
- 670 Unsymmetrical Spear Head ; Franklin County, Missouri.
2¾ in.
- 671 Spear Head of grey chert, stemmed and notched ; Mid-
dle Ten. 4½ in.
- 672 Spear Head of black chert, broad stem deeply notched,
beveled and serrated ; scarce form. 3 in.
- 673 Notched Spear Head ; Maumee Valley. 2½ in.
- 674 Small Spade, or digging implement.
- 675 Small digging implement ; surface partly polished ; Clin-
ton, Ill. 5 x 2½.
- 676 Digging implements, skin dressers, etc. ; Middle Ten.,
Penn., etc. ; all good. 3 pcs.
- 677 Small fine Spear Head. 2½ in.
- 678 Portion of a Mound-Builders' Vessel ; Hightower River,
Ga. 2½ x 2½.
- 679 Semi-cylindrical Muller ; perforation extending partly
through ; a fine and scarce implement. 3 x 2.

- 680 Fine, small sized Spear Heads. 3 pcs.
- 681 Gorget; Grant Co., Ohio; fine. $3 \times 1\frac{1}{2}$ in.
- 682 Narrow Spear Head; dark, variegated. $4\frac{1}{2}$ in.
- 683 Fine polished Celt; looks like Carib work, but was found in Eastern North Carolina; the edge barely chipped. $3\frac{1}{8} \times 1\frac{1}{2}$.
- 684 Arrow Point, barbed; unsymmetrical, uncommon form; Osage Co., Mo. $2\frac{1}{4}$.
- 685 Celts, Scrapers and Arrow Points; Oregon, etc.; good. 16 pieces.
- 686 Fine Arrow Points; one from Kankakee River, Ind. 2 pieces.
- 687 Large Spade, leaf-shaped; Alton, Ill. The duplicate of this piece was bought for \$15.00. One of the finest objects of its class known. As perfect as when made. 13×5 . Very rare so fine and perfect. This is one of a large number from the same source at Alton, on the Mississippi.
- 688 Small Arrow Points; Oregon; jasper, obsidian, etc.; fine lot. 80 pcs.
- 689 Arrow Points; Oregon. These were selected from mineral specimens from Willamette River; many are good, some more or less imperfect. 100 pcs.
- 690 A similar selection; equally good. 85 pcs.
- 691 Arrow Points; Cherokee Co., Ga. Many of white quartz, some pink tinted; fine. 21 pcs.
- 692 Arrow Points; a similar lot, same locality; equally fine. 30 pcs.
- 693 Another similar lot; some of more decidedly pinkish tint. 27 pieces.
- 694 Whorlstone; perforated; Big Creek, Hall Co., Ga. Diameter 1 in.
- 695 Circular Pendant; one face hollow; two small perforations.
- 696 Small soapstone Trough or Dish. Georgia.
- 697 Cone shaped Muller; fine. $1\frac{1}{2}$ in.
- 698 Triangular Pendant; perforated at one edge; edge covered with tally marks. $2\frac{1}{4} \times 1\frac{1}{4}$.
- 699 Small Target Stone; fine. 1 in.
- 700 Celt; polished. Georgia; perfect. $3\frac{3}{4} \times 1\frac{7}{8}$.
- 701 Oval or elliptical Pendant of metamorphic slate; Mazeppa, Ga.; very fine and handsome. 1 in.

- 702 Banner Stone ; model in colored wax of one of the most beautiful banner stones I have ever seen. Original found in Tennessee. $3\frac{1}{2} \times 2\frac{1}{2}$.
- 703 Large triangular shield-shaped Spear Head of rock crystal. Mazeppa, Ga. Fine and very rare in this material. $3 \times 1\frac{3}{4}$.

ETHNOLOGY.

- 704 Arickaree War elub ; a heavy rounded stone over which raw buffalo hide is stretched and fastened ; the handle is a withe, which is covered with the raw hide of a buffalo's tail. A curious murderous weapon, with raw hide wrist fastener. Taken from an Indian grave near Fort Randall, Dakota.
- 705 A weapon of war, made from the horn of a deer ; adze-shaped, the handle 11 inches long, the blade turning at a right angle. Taken from an Indian grave at Whitestone Indian Agency, Dakota, Jan. 1873 ; very fine and rare implement. Blade $5\frac{1}{2}$ in. ; diameter of handle 2 inches.
- 706 Round Nubian Shield, shaped much like a fireman's hat, complete with handle ; of rhinoceros hide. Diameter 20 in.
- 707 Australian Spears and Arrows ; cane with metallic heads, frightfully barbed. 20 to 40 inches in length. 6 pieces.
- 708 Pair of Egyptian Sandals from a tomb in Thebes ; believed contemporary with the Exodus.
- 708a Wardrobe of a Nubian lady, consisting of a braided girdle from which are suspended a few beads and sea-shells, with a leather fringe some 6 or 8 in. in length ; presumed to be a bridal garment.

EGYPTIAN ANTIQUITIES.

- 709 Foot of a Mummy ; Thebes ; well preserved, shows the method of bandaging or winding.
- 710 Memorial Statuette dedicated to Osiris : seated figure with memorial tablet and figure of Osiris between the knees. Height 14 in. Fine ; from Thebes, found in a tomb of the Nineteenth Dynasty.

FUNEREAJ JARS.

These Jars were deposited with the mummified dead, and were used to contain the brain, heart, and viscera. They occur in sets of four, as follows. All are scarce, and perfect sets it is said to be almost impossible to procure. They are of the Nineteenth Dynasty, and these are from the tombs of Thebes.

- 711 Funereal Jar. Thoth, the hawk-headed deity. Height 14 in., diameter $6\frac{1}{2}$ in. These jars appear like plaster but may be marble.
- 712 Funereal Jar. Tua-Mutef, the jackal-headed. The jar itself fractured. Size like last, and having the same origin.
- 713 Funereal Jar. Hepi, the monkey-headed. Cracked, but in good condition. Size and locality like the last.
- 714 Funereal Jar. Amset, the human-headed. Cracked, but repaired. Size and origin the same as the preceding.
- 715 Mummified Monkey wrapped in mummy cloth.
- 716 Mummified Ibis with cloth wrappings.
- 717 Mummy Cloth; fine; one side fringed; size of a large quilt or blanket.
- 718 Mummy Cloth; same quality, but smaller size.
- 719 Mummy Cloth of finer texture; size like the first mentioned.
- 720 Portions of a mummy case, covered with ancient Egyptian paintings in brilliant colors, red, yellow, blue and green. 5 pieces.
- 721 Egyptian Head-rest of acacia wood; from Thebes. Height 7 in.
- 722 Small Crocodile or lizard; stuffed but not mummified.
- 723 Stone slab or brick, showing heads of Nubian captives in relief. Interesting and valuable as showing the accuracy and character with which the ancient Egyptians portrayed the human countenance.
- 724 Two bricks, dug from the walk surrounding the Ramesseum at Thebes, bearing the cartouche of Thothmes III. To preserve these bricks great care has been taken, but they are badly fractured.
- 725 Stamp of red brick, used to mark bread, seal houses, etc. With cartouche of Thothmes III, more than 150 years before the Exodus.
- 726 Bread stamp, similar to the last, but of different device. Fine and of great antiquity.

- 727 Vase with long corrugated neck ; one side bears inscription. Height $7\frac{1}{2}$ in.
- 728 Papyri of about the date of Joseph's prosperity in Egypt, 200 years before the Exodus. 2 pcs.
- 729 Sandstone Slab on which is carved a large animal resembling a stag or moose ; in lower right hand corner is a woman seated ; ancient ; very fine. $11 \times 7\frac{1}{2}$ in.
- 730 Vase of red ware pointed at the bottom, the neck broken. Height 5 in.
- 731 Alabaster Ointment Jar filled with Kohl ointment, used by Egyptian ladies for dyeing the eye-lashes ; capacity about one ounce.
- 732 Jar, about 200 years before the Exodus. The mouth is stamped with cartouche of Ha-t-asu. Fine ; height, $4\frac{1}{2}$ inches.
- 733 Osirid ; glazed green stone or pottery ; fine but broken. Height 7 in.
- 734 Osirid ; black ; fine. Represents Osiris, or a mummy with beard of Osiris. Height 6 in.
- 735 Osirid ; red pottery. Height 7 in.
- 736 Osirid ; pottery. Height 7 in.
- 737 Osirid ; pottery ; smaller size, 5 in. 2 pieces, one much finer than the other.
- 738 Naked female figure, reclining on a lounge. Ancient tomb at Thebes. Length 7 in.
- 739 Ancient Egyptian Charms or Pendants ; Osiris ; the hawk-headed deity ; Key to the Nile, etc. ; a curious lot. 10 pcs.
- 740 Osiris, the monkey-headed god, and others. 10 pcs.
- 741 Bronze Osiris with attributes of sovereignty of upper Egypt, of power and justice. 2 pcs.
- 742 Scarabeus seals ; fine. 2 pcs.
- 743 Scarabeus, pottery ; large size suspended from string of long cylindrical beads.
- 744 Beads ; long cylindrical, like the last.
- 745 Another string of glass ; green red and various colors. 4 strings.
- 746 Stamp from a large old scarabeus. Plaster, with bright colors.
- 747 Impression from scarabeus seal ; time of Thothmes III ; Another ; fine colors and striking figures. $5\frac{1}{2} \times 4$. 3 pieces.
- 748 Fruit of the date palm. 3 pcs.

- 749 Olive-wood Paper-weight from Jerusalem ; Hebrew inscription. Polished ; fine.
- 750 Bean husks, similar to those alluded to in the Bible, in the account of the Prodigal son, and on which swine are still fed. 2 pcs.
- 751 Long string of flesh-colored Beads ; appear to be of coral.
- 752 Jar filled with wheat buried with a mummy at Thebes. Bore cartouche of Thothmes III.
- 753 Lamp like those found at Pompeii ; this taken from a tomb at Thebes ; red terra cotta.
- 754 Bronze Venus and Cupid ; heavily patinated. From Pompeii.
- 755 White Beads or Bracelet ; strung on the mainspring of a watch. About 20 beads.
- 756 Bronze Hanging Vase ; patinated. 4 in. long.
- 757 Alabaster Pendant ; finely finished. $4\frac{1}{2}$ in.

ROMAN BAS-RELIEFS.

Sulptures in marble, elegant carving.

- 758 Socrates ; fine portrait with curled beard and nearly bald head. 6 in.
- 759 Virgil ; fine classical head. $3\frac{3}{4}$ in.
- 760 Julius Caesar ; laureated head ; very fine. 4 in.
- 761 Different Roman Emperors ; all very fine, some larger than others ; marble. 4 pcs.

MISCELLANEOUS.

- 762 Mummified Cat's head.
- 763 Fine, large, red terra cotta Turkish pipe.
- 764 Large, long, curled Lock of Hair, taken from the head of a prince dedicated to Harpocrates the god of Silence. Such princes only were allowed to wear such locks. This object is declared by Prof. Ferguson to be of great rarity and value, and he states further that a similar lock can be found in no museum in Europe.
- 765 String of Beads ; two of long blue cylinders, taken from mummies, with ancient Egyptian figures attached as charms.
- 766 Several strings of Olive kernel Beads ; of suitable length for necklaces. 10 strings.

- 766a Alabaster Plate, broken, and fragments of a Funereal Jar.

COINS.

- 767 Small gold coins of Turkey ; fine. 2 pcs.
 768 Portugal. Crusado, Johann V, 1721. Gold, dol'r size.
 769 Spain. $\frac{1}{16}$ doubloon, Carolus III, 1786. Gold ; fine.
 770 Cob money ; different denominations, dollar, half, quarter and real. Of rude coinage but good examples. Silver. 6 pcs.
 771 Ancient Roman coins ; first and second brass ; genuine ; some fine. 18 pcs.
 772 False Jewish shekel ; lead ; fine.
 773 Oval Roman medallion : conqueror in a triga ; rev. plain. Bronze, fine. 41.
 774 Elizabeth. Shilling, 1566. Rose behind the bust. Overvalued by the owner at £6 10s.
 775 Medal of Admiral Vernon ; poor, but a scarce variety. Copper. 32.
 776 1780. Silver crown of Maria Theresa ; good, scarce.
 777 1810. 20 reals ; Joseph Napoleon as king of Spain ; silver, fine.
 778 1768. 400 reis, Portugal ; rev., "In hoc signo vinces." Good, scarce.
 779 1808. Bank token for 30 pence ; Irish ; head of Geo. III ; rev. Hibernia seated ; silver ; fine, scarce.
 780 1669. Shilling ; Chas. II ; Geo. II. 2 pcs.
 781 1786. Knights of Malta ; Emmanuel de Rohan ; very good.
 782 1787, etc. Silver coins of France ; half crown, etc. ; some scarce pieces, poor to fine ; weight more than \$2.00. 8 pieces.
 783 Coronation Medal ; William and Adelaide ; tin.
 784 Silver coins ; quarter crown, France ; one lira, Italy ; real, etc. 5 pcs.
 785 Copper coins of Turkey ; one large and very fine ; all good. 3 pcs.
 786 Copper coins of France, Belgium, etc. ; good. 30 pcs.
 787 1683. Halfpenny of Ireland, Chas. II ; good.
 788 Gun money, James II. 1690. Half crown.
 789 Coins of Canada, large variety ; North American token, pure copper, etc. ; very good lot. 15 pcs.

- 790 Ancient Egyptian; head of Ptolemy; rev., eagle; good; large size.
- 791 Coins of Spain and various other coins. 20 copecks of Russia, and other small silver coins; some large, a good lot. 42 pcs.
- 792 1840. 3 copecks Russia; large, nearly dollar size.
- 793 English Tokens, Masonic, Anti-French, etc.; good lot. 7 pieces.
- 794 French jeton of Louis the Great; portrait; rev., "Trianon, 1689." Brass; good.

GOLD RING.

- 795 Antique, of the period of Rameses II. Egyptian intaglio on ruby-colored stone; it may be garnet. The setting of gold is modern. Doubtless of great antiquity, and declared to be of great value.



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